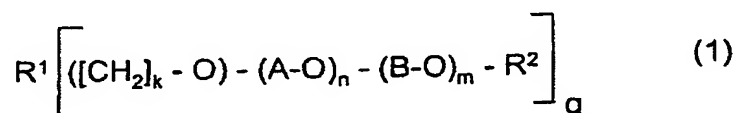


Amendments to the Claims

1. (Currently Amended) ~~The use of compounds A~~ formulating lubricant for refrigerating machines containing carbon dioxide as the refrigerant comprising a base oil of the formula 1



where

R¹ is a radical derived from resorcinol (1,3-dihydroxybenzene) or pyrogallol (1,2,3-trihydroxybenzene),

R² is hydrogen, C₁- to C₁₈-alkyl or C₆- to C₁₈-aryl

A is an ethylene radical

B is an isopropylene radical

k is zero, 1 or 2

(n+m) is a number from 3 to 20, where n is at least 1, and

q is 2 or 3,

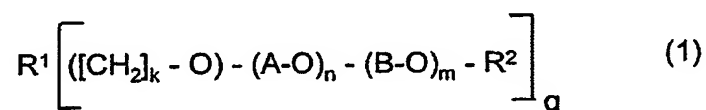
and where, when m and n are both greater than zero, the sequence of ethylene and propylene units is random

~~as a base oil for formulating lubricants for refrigerating machines which contain carbon dioxide as the refrigerant.~~

2. (Currently Amended) ~~The use~~ formulating lubricant as claimed in claim 1, wherein the sum ~~(m+n)~~ of m+n is from 3 to 9.

3. (Currently Amended) ~~The use~~ formulating lubricant as claimed in claim 1 ~~and/or 2~~, wherein R² is an alkyl radical having from 1 to 12 carbon atoms.

4. (Currently Amended) The ~~use~~ formulating additive as claimed in ~~one or more of claims 1 to 3~~ claim 1, wherein m is zero.
5. (Currently Amended) The ~~use~~ formulating additive as claimed in ~~one or more of claims 1 to 4~~ claim 1, wherein k is zero.
6. (Currently Amended) The ~~use~~ formulating additive as claimed in ~~one or more of claims 1 to 5~~ claim 1, wherein R² is a C₁- to C₁₈-alkyl or C₆- to C₁₈-aryl group.
7. (Currently Amended) A method for operating a refrigerating machine using carbon dioxide as a refrigerating medium, ~~by comprising the step of using a lubricant compound as defined in one or more of claims 1 to 6 as a base oil for lubricants~~ claim 1.
8. (New) A lubricant comprising a compound of the formula 1



where

R¹ is an aromatic radical having from 6 to 18 carbon atoms

R² is hydrogen, C₁- to C₁₈-alkyl or C₆- to C₁₈-aryl

A is an ethylene radical

B is an isopropylene radical

k is zero, 1 or 2

(n+m) is a number from 3 to 20, where n is at least 1, and

q is 2, 3 or 4,

and where, when m and n are both greater than zero, the sequence of ethylene and propylene units is random.